

WASTE RECEIVING AND PROCESSING FACILITY WASTE ANALYSIS PLAN

1.0 UNIT DESCRIPTION

In accordance with the regulations set forth in the Waste State Department of Ecology Dangerous Waste Regulations, Washington Administrative Code (WAC) 173-303-300, this waste analysis plan (WAP) has been prepared for operation of the Waste Receiving and Processing Facility (WRAP) in the 200 West Area on the Hanford Site, Richland, Washington.

The purpose of this WAP is to ensure that adequate knowledge as defined in WAC 173-303-040, is obtained for dangerous and/or mixed waste accepted by and managed in WRAP.

This WAP documents the waste acceptance process, sampling methodologies, analytical techniques, and overall processes that are undertaken for waste accepted for storage and treatment at the WRAP. Specifically, this WAP contains information regarding the acceptance, confirmation, nondestructive examination (NDE) and nondestructive assay (NDA), repackaging, certification and management of waste including: types of knowledge, performance evaluation, physical and chemical screening, sampling and analysis, discrepant container management transport and associated quality assurance (QA)/quality control (QC) in the following sections. For a detailed description of the WRAP refer to Chapter 1.0, "Part A", and Chapter 4.0, "Process Information" (DOE/RL-91-16). Activities may be performed by the WRAP operating organization or its delegated representative.

1.1 Description of Unit Processes and Activities

WRAP is a nonland-based treatment, storage, and/or disposal (TSD) unit used for the treatment and storage of waste, and is subject to the *Dangerous Waste Regulations*, WAC 173-303. The WRAP consists of:

- 2336W Building (Main WRAP building)
- Shipping and Receiving area
- NDE and NDA Area
- Process area (including gloveboxes)
- Sample management area
- Administrative Area
- Exterior Loading Dock and Storage area
- 2336W South Outside Storage
- 2404-WB and 2404-WC Waste Storage Buildings.

The WRAP has many waste management capabilities including:

- Storing
- Receiving
- Opening containers
- Sampling
- Physical/chemical screening
- Sorting
- Treating
- Repackaging
- Certification (refer to Section 2.7).